

From boatanchors@theporch.com Sun Apr 28 14:56:00 1996
From: jproc@worldlinx.com
Subject: 2AP1 Assistance
Message-ID: <Chameleon.4.01.2.960427104734.jproc@>

Thanks to everyone who responded with their comments about the 2AP1 CRT.
With a measure of luck, I was able to locate a spare tube and tried it.
Presto - the brightness is now normal. Now to continue troubleshooting.

This has been most a most challenging piece of equipment to repair. The
FSC chassis was actually dropped at some point in time. So far, I found a
rectifier tube with an open filament (which shorted AC directly to the
input cap of the filter), three open wirewound resistors, a not-so-good
6SL7 to 6SN7 tube substitution and a bent shaft on the discriminator tuning
control.

Who knows what else may be wrong.

Regards,

~~~~~  
Jerry Proc VE3FAB  
E-mail: jproc@worldlinx.com  
Radio Restoration Volunteer  
HMCS Haida, Toronto Ontario  
~~~~~

From boatanchors@theporch.com Sun Apr 28 14:56:00 1996
From: Jim Dillon <beadgal@ptialaska.net>
Subject: Re: 610 scope.../Heathkit book....
Message-ID: <01BB34EB.7FE518A0@juneau_30.dialups.ptialaska.net>

...is a steal at \$75. However it is the transmitter monitor sampling
RF out and displaying waveform. Also has built-in 2 tone audio =
generator.

As a receiver i.f. monitor, it would be pretty much a single signal =
monitor.

The spectrum analyzer is the SB-620 which is what I am hunting for
(or any 455 or 500 kc. i.f. adapters for -620). Maybe even an H0-13.
Anyone?

Also, the early check-ins for Chuck Penson's Heathkit: A Guide book at
\$21 are over 30 in number and the book order was sent to Barry at ER =
yesterday. But wait until Wednesday call-in before doing anything else on =
this.

You'll have a whole week to get yer address and check in...but wait =
until

Thanks Jim Dillon beadgal@ptialaska.net
WL7CMQ

Hi Gang-

Tim Miller <tmille1@grfn.org> wrote me and asked for some help...
I can not do much out of my own resevoir, and thought the friendly
folks of the BA list wouold be an ideal place to turn...

-----8><-----snip here-----
Subject: 6m Boat Anchor

ANY help you can give would be greatly appreciated.

Make: RCA
Model: MCA19BB11C
Serial#: FJ09519
FCC Xmitter Data: CT1014
FCC Rcvr Data: CR1004

```
|_ _ _ _ | - - - \ / | Tim Miller - Dynamic Consulting  
| | | | | Packet - KB8ZGU@N8QGE.#SWMI.MI.USA.NOAM  
|_| |_|_|_| \ / |_| tmlle1@grfn.org KB8ZGU MIME Ok
```

From boatanchors@theporch.com Sun Apr 28 14:56:00 1996
From: FRANCIS4@AppleLink.Apple.COM (Francis, Dexter)
Subject: Atwater-Kent 40 ?'s
Message-ID: <830663285.7660756@AppleLink.Apple.COM>

Greetings all -

Some of you may have noticed the item on the internet regarding the Colorado Antique Radio Collectors Association meeting this weekend up in Denver. I packed my son and a few pieces and headed up today (Saturday). At first I was dissapointed, as I was expecting the whole show to be old radios, and it turned out there were only a handful of vendors who even had radios, but the CARCA folks were there with a couple dozen very nice pieces on display, including a couple TransOceanics, several Crosleys, a few Atwater-Kents and a smattering of others. I was thru browsing in about two hours and (father forgive me...) I picked up a fairly clean Atwater Kent Model 40 for \$65. Once I cleaned out the mouse droppings and applied a little Fliz, it really looks good inside.

Now the fun part:

This radio uses a string of 27's to do the RF work. There are three RF sections and I believe the problem is in one of the first two. I can attach an antenna to the third tuning cap and get a pretty clean signal out of the headphones. (Heard the Cubs game). If I pull any of the three 27's it doesn't make any difference, so I assume the detector is after the first three 27's.

I don't have a schematic, but noted that there were a couple of capacitors on the underside of the chassis and one (2 1/10th uF) appeared to have dropped some wax. I also noted that turning the smaller knob on the front panel (which is on the right) makes no difference in the output. Turning the larger knob does change the tuning.

Any suggestions? I'm encouraged by the ability to get audio, and noted that if I place my hand near the second stage RF Amp tube (yes it's a 27) I get a loud hum in the phones, so I suspect a broken wire or damaged cap somewhere ahead of that stage. Input to the antenna makes no difference.

Are the stages in this unit capacitively coupled or should I be looking for a broken wire?

Does any one have a schematic handy?

-df

From boatanchors@theporch.com Sun Apr 28 14:56:00 1996
From: kj7f@micron.net (Terry Dobler)
Subject: Re: Atwater-Kent 40 ?'s
Message-ID: <m0uDXja-000QfTC@mis01.micron.net>

>Any suggestions? I'm encouraged by the ability to get audio, and noted that
>if I place my hand near the second stage RF Amp tube (yes it's a 27) I get
>a loud hum in the phones, so I suspect a broken wire or damaged cap somewhere
>ahead of that stage. Input to the antenna makes no difference.
>
>Are the stages in this unit capacitvely coupled or should I be looking for a
>broken wire?

Francis,

I have never seen one of these in the wild but here are a few answers from looking at the schematic.

The antenna connects through the volume control rheostat to an antenna coupling transformer which in turn feeds the 1st RF tube. The three RF stages are in series and appear to be the same, all are inductively coupled. The capacitors you mention are most likely the filament and plate by-pass capacitors (condensers).

The schematic I have is tiny and hard to read but I can copy it for you if no one has anything better. The same chassis was used for Models 40,40-F, 42, 42-F, 44, 44-F, 45, 52, 56, and 57.

Good Luck
Terry KJ7F

kj7f@micron.net - <http://netnow.micron.net/~kj7f>

From boatanchors@theporch.com Sun Apr 28 22:17:03 1996
From: KA6UUP@aol.com
Subject: BA
Message-ID: <960428223752_523937278@emout08.mail.aol.com>

Hello fellow ba'ers. etc.:

I have just finished the resurrection of a SX-73/R-274/URR. The poor thing had definately been "rid hard and put away wet". It was given to me along with a nice bound copy of the tech manual by a very disgusted friend who said he had tried everything and could not get it working. I took it home and checked it out

and sure enough it was a corpse. Complete, but totally dead. So, I wrapped it up in a plastic garbage bag and stuck it away in the garage. That was about five years ago and I had forgotten about it until I stumbled across this group and was reminded by several postings that, " Hey, I have one of those things!" I dug it out, and started to try to figure why it was inoperative. One look at the contacts under the turret and I had my answer. Several of them were badly bent or broken.

I posted a plea for help on the list and received several replies which suggested making new strips out of phosphor-bronze stock. I looked around and found some Eimac fingerstock which was silver-plated and just the right thickness. I drilled the rivets out of the old bakelite holders (careful, they break easily), and cut out

a few, using the old one as a pattern. It worked like a champ but in attempting

to get it working, the previous owner had "unadjusted" every adjustment possible.

So, I had to break out the 'scope and signal gen. and work my way thru the whole

radio stage by stage. I made an interesting discovery. Apparently, the contact loops

seem to be part of the tuned circuits. That is, they seem not to be making good

contact with the pins on the turret, until the circuit connected thru them is somewhere

near resonance. This caused several hours of painstaking work trying to figure

out what was going on. However, I finally got it going. I was surprised that I didn't have

to replace a single component except for a couple of weak tubes. They sure knew how to build 'em back then.

I also stripped off what little paint was left on the front panel and was able to match it up with Rustoleum Smoke Grey. I had never had much luck with dry transfer lettering (the single letters were never spaced correctly, or in line). However, I ordered some of the dry transfer words from AES, carefully laid out the panel and transferred the words onto it. Boy, am I happy or what! It came out perfectly! I applied a clear coat over the panel, and put the radio back together.

There is only one fly in the ointment. I cannot seem to get the crystal filter right. It is working. I can phase it, etc., but the skirts are not tight and when the band gets crowded (i.e., the 49 meter band in the evenings), there are strong heterodynes everywhere. The phasing control does not help in eliminating them.

I have aligned the I.F.s, both with and without the crystal filter on, and it seems better when aligned with the filter on. I've checked every component in the filter circuit and everything is ok. Can anyone help?

By the way, I was able to get a brand new (NOS) manual from Dan Mason in Santa Fe, N.M. which was a real bargain at ten bucks.

Thanks to all of you who helped so far. Now on to the SP-600, R-388, Etc. This group has really inspired me to get busy on my boatanchor treasures,
and it helps that I can show my wife that I am not the only BA-nut around,
Hi.

73 to all,
Chuck Bennett
KA6UUP@AOL.COM

From boatanchors@theporch.com Sun Apr 28 22:17:03 1996
From: JOHN_SEHRING.parti@ecunet.org
Subject: BALUNS
Message-ID: <9604281830.aa05641@pcusa01.ecunet.org>

> If I slipped a ferrite ring around the ladder line leaving my Matchbox,

...you'd choke off everything! The place to force balance is at the other side of the Matchbox at the coax input. Enuf ferrite toroids slipped over the coax would give you a current-type balun.

Toroids work on coax lines 'cause the signal is on the inner conductor and the *inside* of the coax shield. No-no currents on the *outside* of the shield can be dealt with by chokes & not effect the signal.

WB2EQG

From boatanchors@theporch.com Sun Apr 28 22:17:03 1996
From: JOHN_SEHRING.parti@ecunet.org
Subject: BALUNS AND TRANSMATCHES
Message-ID: <9604281830.aa05647@pcusa01.ecunet.org>

> Barry L. Ornitz WA4VZQ ornitz@eastman.com
>
> I think this is highly dependent on whether the Matchbox is grounded or
> not. There is no balun, per se, in the unit, but rather a parallel
> tuned circuit using split stator capacitors with link coupling to the
> transmitter. [Actually the arrangement is a little more complicated
> than this but it does not change the analysis.] The rotor of the
> capacitor is connected to the case of the unit - which may, or may not,
> be grounded.

> If the case is not grounded, the result is a parallel tuned circuit in
> series with the feedline. Since this is a series circuit, the current
> in both sides of the transmission line MUST be equal and opposite. The
> fact that the input link coil has one side grounded to the case is
> unimportant since the coupling is by mutual inductance.

Agreed.

> With a grounded case, this situation is a little different. Note that
> when I talk of a ground here, I mean a theoretical perfect ground with
> the antenna halves referenced to the same ground. In the real world,
> the transmatch case can never be at true ground.

In either grounding situation, the line voltage is $0V_{bal}$ + whatever voltage
the ground reference at the matchbox with or without a ground happens to
be.

> Ferrite beads on the outside of coax are not truly a balun. They do
> present an inductance and high impedance to currents flowing on the
> OUTSIDE of the coax shield, but not to currents on the INSIDE of the
> coax. By the very nature of TEM transmission in the coax, the current
> on the center conductor is identical but opposite polarity to the
> current on the inside shield of the coax. Identical results can be
> obtained by winding the coaxial cable into a coil to produce the same
> inductance as the ferrite beads.

Agreed, but a choke on the outside of the coax can turn it's output into a
current balun.

From boatanchors@theporch.com Sun Apr 28 14:56:00 1996
From: arther.dent@smtp.prostar.com
Subject: Re:Bogus Calls
Message-ID: <199604280756.CAA23575@uro.theporch.com>

B> Don't forget UF00L!
B> Join in the fun at 0300Z on 3579.5!

ahhh geez guys.....
hasn't anyone worked.....
6L6 at octal base?????????????
he's a great CW op.
mike
KB7VNT

i transmit therefore i am.....

From boatanchors@theporch.com Sun Apr 28 14:56:00 1996
From: "F r6fqHo!ht" <75121.100@CompuServe.COM>
Subject: Copy of: Heath Monobander
Message-ID: <960428082511_75121.100_FHI29-1@CompuServe.COM>

----- Forwarded Message -----

From: Raymond Cote, 75121,100
TO: To Listreaders all, INTERNET:BOATANCHORS@THEPORCH.COM
DATE: 4/27/96 17:43

RE: Copy of: Heath Monobander

Finally took apart the Monobander that everyone was advising me about and found the name tag inside taped to the chassis. It is an HW-22A (40 meters I guess) USB\LSB from all the messages I have gotten so far. Now I need to look for a manual. The front panel now has a grill with a Jensen speaker mounted in place of the tuning dial. Everything having to do with tuning has been removed. Now there are 2 extra crystals sitting there. Anyone have a manual that can get copied? Be glad to pay copy costs and shipping.

Regards from Honolulu,
Raymond Cote
75121.100@compuserve.com

From boatanchors@theporch.com Sun Apr 28 14:56:00 1996
From: "Jim Berry" <basalop@eskimo.com>
Subject: CW Notes With Character (Part 2)
Message-ID: <199604280743.AAA28759@mail.eskimo.com>

CW Notes With Character

by George F. Franklin, W0AV
Kansas City, Missouri

Part 2

The TNT circuit (my favorite) was often a one-tube affair using a tuned plate tank circuit and an untuned grid coil, hence TNT (tuned, untuned). These rigs all too frequently emitted a rude sound which sounded like a nose being blown, or worse. A few made downright obscene sounds, probably because of inadequate power supply

filtering.

A TNT rig with poorly filtered, poorly regulated power supply was a frightful thing to hear on the bands. Strangely enough, the raunchier

the note, the wider and more potent the offending signal seemed to become. One thing, though, it did attract attention from DX station. Unfortunately, it frequently annoyed the FCC monitors, who responded with the fearsome "Green Ticket". Of course, there were the purists who always managed to emit a T9X signal. They were sort of an elite bunch, however, who looked down upon the lowly users of Hartley and TNT rigs. They did stoop to respond to such offensive CW signals, but

only if they originated off shore and could be classified as DX.

And then there was the special breed of CW operator, usually a high-power fanatic in southern California who sported a crystal controlled KW+ rig the signal from which was modulated at 120 (or 100) cycles (there were very few Hertz around in those days). This resulted in a very distinctive note which seemed to cut through the pileups, assisted by the big jugs pumping out the KW's, of course. I was told that the modulation was the results of using "resonant filters" in the

power supply, in lieu of the typical brute-force filter capacitors, which cost big money at 5KV or so. These resonant filters did reduce the ripple significantly, usually just enough to meet the FCC criteria

of the day. Sneaky but effective, wasn't it?

Oh, yes, there was the matter of S in RST, the signal strength factor.

If you had sufficient power and a good antenna you could work the world on CW, even if the guy on the other end used a one-tube regenerative receiver and a pizmyre transmitter. On the other hand, if your fist and/or your note were "distinctive" enough you could work plenty of stations, including DX, even if your signals weren't all that powerful. A good chirpy (birdlike or squishy) or buzz-saw signal could often cut right through a T9X pileup, especially if assisted by a good BBR or LES.

I suppose some mention should be made of the atrocious frequency drifting of those classic CW rigs. Well, look at it this way. There was a fifty-fifty chance that one would drift away from the QRM. On the negative side, it was not unknown for a drifter to slide right out

of the band and into outer darkness before the end of a long-winded transmission.

Ah, those were indeed the good old days of CW. Contrast those sounds

with the sterile, electronically generated dots and dashes which
dominate today's ham bands. No Character there!
-end of file

From boatanchors@theporch.com Sun Apr 28 22:17:03 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Re: CW Notes With Character (Part 2)
Message-ID: <64519.ddillman@igc.apc.org>

On Sun, 28 Apr 1996 02:44:34 -0500 (CDT),
Jim Berry <basalop@eskimo.com> wrote:

>Ah, those were indeed the good old days of CW. Contrast those sounds
>with the sterile, electronically generated dots and dashes which
>dominate today's ham bands. No Character there!

True, how sadly true. Thanks for the great posts!

One can occasionally still hear a note with character on the ham bands
and it's not infrequent to hear an op in the marine bands pop up
sounding like he's beating two spoons together for a key and using a
haywire TNT transmitter. Actually, I like these best at they allow me
to imagine the guy in the radio room of a rusting tramp steamer
wearing a sweat and grease stained Italian undershirt and sporting a
three day stubble that would sand wood, probably with a cheap, dead
cigar clamped in his jaw, the cans clamped to his head. The Old Man
probably steers clear of this guy - or is his twin but more so.

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Sun Apr 28 14:56:00 1996
From: "Roberta J. Barmore" <rbarmore@indy.net>
Subject: CW XTALS address?
Message-ID: <Pine.SUN.3.91.960428140806.17755A-100000@indy1>

Hi!

In haste (as ever)...looking for the current address for CW Crystals;
I've a couple doorknob holders he just might be able to fit with new

quartz! (Look in QST? I would but don't get the mag; started to get too depressing to look at in the 70s, all that plug and play bunk).

73,
--Bobbi

PS: Just went through asbestos abatement in the old transmitter room at work last week; not a recommended relaxer, especially with five racks full of program equipment *and* a 2kW LPTV rig running in that room, wrapped up in plastic with one's best guess at adequate cooling. ARRRRRRGH! Maalox is now The Official Soft Drink of the WTHR Transmitter Site.

From boatanchors@theporch.com Sun Apr 28 22:17:03 1996
From: Jeffrey Herman <jherman@hawaii.edu>
Subject: From r.r.swap // contact them, not me! // Jeff KH2PZ
Message-ID: <Pine.SV4.3.91.960428095152.11198A-100000@uhunix5>

>From dd980@FreeNet.Carleton.CA Sun Apr 28 09:15:35 HST 1996
I have a very nice sb 200 runs two 572b's works great
\$325 shipped for the amp.

>From allenm@rain.org Sun Apr 28 09:16:41 HST 1996
1) Heath HR-10B reciever good shape (has a small hum at low volume)
(this might be sold (Jim where are you...)) \$50
3) EICO model 448 electronic switch \$30
4) heathkit TV alignment generator \$30
5) heathkit 5 inch pushpull scope w/probes works \$50
8) Heathkit capaci-tester mod #CT-1 works

>From jcook39@idt.liberty.com Sun Apr 28 09:17:21 HST 1996
I have a henry 2k floor model for sale. It was first purchased in 1965 by
It runs two 3-400Z finals & will operate on
either 110 or 220volts.

>From ess4 Sun Apr 28 09:18:41 HST 1996
I have a Heathkit SB101 tranceiver with digital frequency readout I'd
like to sell. I have all the manuals with schematics for this. I am
asking \$200.00 for it.

>From au@ix.netcom.com Sun Apr 28 09:19:15 HST 1996
Heath catalogs for sale:
May 1975
August 1975
Spring 1976
Fall 1976

Spring 1977

Summer 1977

Winter 1977

Christmas Catalog 1977

All catalogs are \$10 including shipping. All are in good shape except for Winter 1977 which has a ripped cover. Its price is \$7. If you buy two or more, I'll throw in a mystery catalog that is missing its cover, but seems to be from before 1974.

>From padawer@usit.net Sun Apr 28 09:19:24 HST 1996

Heathkit SB200 linear amp, great physical shape, works fine, \$200 plus UPS shipping. Reason for sale: don't use it. Thanks.

>From laportej@wl.aecl.ca Sun Apr 28 09:21:26 HST 1996

I am looking for 5 - 6KD6 tubes for an old Yaesu FL 2500 Linear Amp. Can anyone provide? I'll pay shipping costs etc. Please reply direct to e-mail at laportej@wl.aecl.ca or call collect 204-268-1061

>From tubes@i1.net Sun Apr 28 09:22:44 HST 1996

I have a limited quantity of the odd 9 pin Amphenol plug that E.F Johnson used on their Rangers, Valiants, etc. The cost is \$10 each plus \$3 shipping per order. Don't pass on this one if you are a Johnson fan; they are VERY difficult to find!!

>From centrak@en.com Sun Apr 28 09:22:57 HST 1996

I have just unearthed an FRT-89C 3kw xmtr manufactured by Continental for the Coast Guard. Unit is 6ft high and weighs quite a bit. It takes many watts at 208v - 260v 3ph.

>From QRP@mimi@magic.itg.ti.com Sun Apr 28 09:23:15 HST 1996

FOR SALE: - a rare item -

Heathkit SB-640 remote VFO (really a LMO).

Matches SB-101 and SB-102 transceivers.

Fresh alignment, tubes checked good.

Really nice condition, no modifications.

With connecting cable and copy of manual.

The price: \$75, buyer pays shipping.

>From jon@halls.com Sun Apr 28 09:23:53 HST 1996

he) Morrow 3 BR-5 Antiquetube type Mobile HF Converter for sale for \$35 or offer. Works with AM car radio. Covers 3.5-4, 14-14.4, and 26.5-30mHz. Large slide rule dial, hammertone gray case. Looks good but is untested.

>From jon@halls.com Sun Apr 28 09:24:01 HST 1996

Heath GR-11 Vibrator Power Supply for 'Benton Harbor Lunchbox' series (Sixer, Twoer, CB-1) with manual. Looks good but is untested. \$20/offer.

>From Andrew_Bachler@msn.com Sun Apr 28 09:24:21 HST 1996
Mint SB-220 with Two excellent Eimac 3-500Z's
The following upgrades were made in March 1996 at a cost of \$430.
New Heavy Duty Peter Dahl Hypersil Power Transformer.
Harbach Electronics:
Filter Caps
Metering/ Rectifier bd.
VHF Parasitic suppressor kit
In-rush current limiting
Heavy duty fan
Soft-keying kit
Asking: \$550 plus shipping
e-mail: bachler@cig.mot.com

>From Andrew_Bachler@msn.com Sun Apr 28 09:24:33 HST 1996
Two Amperex 3-500Z/8802 High Dissipation (600 Watts) Graphite plates.
"New" I tested them, but they have not been in service.
asking: \$100 each, \$190 for the pair
e-mail bachler@cig.mot.com

>From alfjacob@nipnett.no Sun Apr 28 09:29:18 HST 1996
4 ea. 4-125A for sale, 3 with sockets.
Removed from fully functional TX, due to shutdown of site.

>From waltn@earthlink.net Sun Apr 28 09:30:10 HST 1996
I'm still looking for the manual for the 70's vintage RCA WR-70
Marker/Adder to accompany my WR-50 signal generator. Happy to pay
copying costs, etc.

>From glimeber@mail.tima.com Sun Apr 28 09:31:35 HST 1996
The R.L.Drake Amateur Radio club is on the web at WWW.i-sol.com/DRAKE

>From dmedley@ix.netcom.com Sun Apr 28 09:32:30 HST 1996
I have a box of Johnson and Birnbach ceramic parts for sale. This includes
spreaders for zepp antennas, tube sockets and insulators etc. If
interested e-mail me at dmedley@gnn.com and I will send you a list with
prices etc.

>From djhutch@mail.concentric.net Sun Apr 28 09:34:23 HST 1996
I have an EF Johnson Pacemaker Transmitter in good condition. The unit is
untested but presumed to be working perfectly. In all original condition.
Front panel in good shape. Cabinet has some scratches on the top. No
dents. \$250 + shipping

From boatanchors@theporch.com Sun Apr 28 14:56:00 1996

From: "Mark S. Hovda" <75301.3141@CompuServe.COM>
Subject: FS '48 ARRL Handbook
Message-ID: <960428185940_75301.3141_GHI87-1@CompuServe.COM>

I have a '48 ARRL handbook for sale. The cover is loose, torn and worn. The binding is still intact. Obviously not a collectors piece but can be put to good use as a BA reference book. \$15 postpaid.

73
Mark
NOJWI

From boatanchors@theporch.com Sun Apr 28 22:17:03 1996
From: "Mark S. Hovda" <75301.3141@CompuServe.COM>
Subject: FS Theory Books
Message-ID: <960428195531_75301.3141_GHI45-1@CompuServe.COM>

I have some old theory books for sale, \$10 or less postpaid. If you would like the list, send me a e-mail.

73,
Mark
75301.3141@compuserve.com

From boatanchors@theporch.com Sun Apr 28 22:17:03 1996
From: robert fowle <hammarlund@voyager.net>
Subject: FS: Collins 516-E1 Serial # 475
Message-ID: <199604282247.SAA02831@vixa.voyager.net>

My friend also has a Collins 516-E1 mobile supply for the KWM-1 serial # 475 works good. has some scratches on top at one end. \$175 + shipping

=====] -[->
Robert Fowle KC8DBC
The HAMMARLUND Historian
Ph. voice or fax 517-789-6721
1215 Winifred
Jackson, Mich. 49202-1946
E-mail at: hammarlund@vixa.voyager.net
HAMMARLUND LITERATURE WANTED
WANTED: MANUALS FOR ANY MAKE RADIO EQUIPMENT
=====] -[->

From boatanchors@theporch.com Sun Apr 28 14:56:00 1996
From: Sheldon Wheaton <swheaton@sky.net>
Subject: FS: Halli HT-18 manual copy
Message-ID: <Pine.SOL.3.91.960428120711.16897A-100000@sky.net>

Since there seems to be a recurring interest in this rig, I will mention that I can provide a photocopy of the Hallicrafters manual for \$3 including postage to anyone who needs one.

Reply direct for further details or just use callbook QTH to order a copy.

73, Sheldon KC0CW swheaton@sky.net

From boatanchors@theporch.com Sun Apr 28 22:17:03 1996
From: Sandy Blaize <70401.134@CompuServe.COM>
Subject: FS: Lafayette HA-460
Message-ID: <960428213949_70401.134_IHD87-1@CompuServe.COM>

I have a Lafayette HA-460 6 meter rig with book, AC cable, Microphone. Condition good, but not excellent! Works just fine! Sell for \$100 plus shipping/packing. Or trade for something.
73,
Sandy W5TVW

From boatanchors@theporch.com Sun Apr 28 14:56:00 1996
From: Tom.Daley@530.gigo.com (Tom Daley)
Subject: fs: sb610 monitor scope \$75
Message-ID: <058_9604280921@gigo.com>

hello ba people the heath sb610 monitor scope is still available, no one wanted it at \$95 so now it is reduced to \$75. it is very very clean (front panel/knobs/crt/case/chassis) and works great. can be used with any ham transmitter 5 watts and up. also works as rtty scope or received if scope (??) its gotta go !! please make room for my ht32a which is showing up next saturday. i am in sacramento. thanks tom

--

: Fidonet: Tom Daley 1:203/530 .. speaking for only myself.
: Internet: Tom.Daley@530.gigo.com

From boatanchors@theporch.com Sun Apr 28 14:56:00 1996
From: Jim Dillon <beadgal@ptialaska.net>
Subject: FW:FS SX-28 from rec:amateur.....
Message-ID: <01BB34DC.37F25B20@juneau_30.dialups.ptialaska.net>

...equip news list. Direct all to this guy, I know nixnilnaught:
Greg in CA has for p/u only "great working cond" Hallicrafters
SX-28 has orig man. e-mail gwittig@microsys.net

Jim Dillon WL&CMQ
(seeking S/SX-9, s-14, 8R40, and a Sx-28 steering wheel/spoked tune/bs knob)

From boatanchors@theporch.com Sun Apr 28 14:56:00 1996
From: jschwart@ix.netcom.com (John Schwartzberg)
Subject: Re: Halli HT-18. Whazzit?
Message-ID: <199604281405.HAA04748@dfw-ix7.ix.netcom.com>

At 08:17 PM 4/27/96 -0500, john wrote:
> The title says it ... what's a Hallicrafters HT18?

The HT-18 is a 'Calibrator VFO CW/NBFM,' according to Hallicrafters' ad in the '48 handbook. This is a five band exciter/VFO, with power output of 2.5 to 4.5 watts. This is similar to the HT-19 transmitter, but without the PA stage. The tube lineup is (3) 6BA6, 6L6, VR-150, VR-105, 5Y3GT. It has a slide-rule type dial, and controls for Operation, Band Switch, Check (spot), Plate, Power, Deviation (FM, remember), and tuning.

I don't get ER, so can't help out with pix. Check old handbooks, or the physical appearance is almost identical with the S-53, if you're familiar with it.

Do you want it? I dunno. Lemme know if you're not interested....I might be.

Hope this helps!

73,

John
N0GII

>
> (and also... do I want it?)

>
> :-)
>
> /john
> PS: Anyone remember any pics of it in ER?
>
>
>
>
jschwart@ix.netcom.com

From boatanchors@theporch.com Sun Apr 28 14:56:00 1996
From: Michael Neidich <neidich@hooked.net>
Subject: HANDY LIST WWII Surplus Conversion Articles
Message-ID: <3183BED0.66D5@hooked.net>

Fellow Boatanchorites:

If you want copies of any of the articles listed below, reply with the ones you need. I will quote you the charge for copying & mailing (varies greatly w/ nr pages). Payable in advance.

73,
Mike, K2ENN/6

>From long out of print "Surplus Radio Conversion Manual" Vol. 1&2, by R.C. Evenson & O.R. Beach. Vol 1 Third Ed. 1960, Vol 2 First Ed. 1948.

WWII Surplus Conversion Articles

VOLUME 1

BC-221
Frequency Meter

BC-342
Receiver

BC-312
Receiver

BC-348
Receiver

BC-412 Radar Oscilloscope

BC645

Transmitter/Receiver (420 Mc)

BC-946B

Receiver (Conversion to Auto Receiver)

SCR-274N

Transmitters, 457A Series (Conversion to VF0)

SCR-522

Transmitters, BC-625 (2 Meters)

SCR-522

Receiver, BC-624 (2 Meters)

TBY

Transceiver (10 and 6 Meters)

PE-103

Dynamotor

BC-168A/1161A

Receiver (2 Meters)

Electronic Surplus Index

Cross Index of A/N Tubes Versus Commercial Types

VOLUME 2

BC-454 or ARC-5

Receivers, Conversion to 28 Mc

BC-457 or ARC-5

Transmitters, Conversion to 28 Mc

AN/APS-13

Transmitter/Receiver, to 420 Mc

Selenium-Rect.

Selenium Rectifier Power Units

ARC-5 VHF

Transmitter/Receiver, Operation

GO-9/TBW

Transmitter, Conversion include. 28 Mc

BC-357

Marker Receiver, to Capacity Relay

BC-946B

Receiver to High-Fidelity Tuner

BC-375

Transmitter, Use with Ext. V.F.O.

TA-12B

Transmitter Conversion, also TA-12C

AN/ART-13

Transmitter to A-C power and 28 Mc

Coil Data

Simplified Winding Charts

AVT-112A

Transmitter for Light Aircraft

AM-26/AIC

Interphone Amplifier to 9-Watt Amp.

LM

Frequency Meter

Rotators

Surplus Beam Rotating Mechanisms

Power Chart

Primary Power Requirements Chart

ARB

Receiver, Diagram only.

From boatanchors@theporch.com Sun Apr 28 14:56:00 1996

From: "F r6fqHo!ht" <75121.100@CompuServe.COM>

Subject: Heath Monobander

Message-ID: <960428044510_75121.100_FHI37-1@CompuServe.COM>

Finally took apart the Monobander that everyone was advising me about and found the name tag inside taped to the chassis. It is an HW-22A (40 meters I guess) USB\LSB from all the messages I have gotten so far. Now I need to look for a manual. The front panel now has a grill with a Jensen speaker mounted in place of the tuning dial. Everything having to do with tuning has been removed. Now there are 2 extra crystals sitting there. Anyone have a manual that can get copied? Be glad to pay copy costs and shipping.

Regards from Honolulu,
Raymond Cote
75121.100@compuserve.com

From boatanchors@theporch.com Sun Apr 28 22:17:03 1996
From: "Allan Fritsche" <fritsche@msn.com>
Subject: Heavenly meters
Message-ID: <UPMAIL03.199604290009000334@msn.com>

Gang, anybody got a use for a 0 - 6000 amp meter.
you can really impress your friends if you put the appropriated limiting
resistor in place.
BTW, I think I got a 4000 amp unit too.
Think of what this would look like in the dash of your car or truck.
Amaze everyone.

Your friend
Al
fritsche@msn.com

From boatanchors@theporch.com Sun Apr 28 22:17:03 1996
From: JOHN_SEHRING.parti@ecunet.org
Subject: IREC TUBE SHIELDS
Message-ID: <9604281830.aa05638@pcusa01.ecunet.org>

What does an IREC conductive tube shield look like? I've got some shields
that are painted flat black and have scalloped side slits that contact the
side of the tube.
WB2EQG

From boatanchors@theporch.com Sun Apr 28 22:17:03 1996
From: "Gary H. Harmon, Jr." <gharmon@txdirect.net>
Subject: Jones Plug Needed
Message-ID: <199604290038.TAA28209@legend.txdirect.net>

I am in need of a 21 pin female Jones plug for a Hallicrafters SR-34 6/2
transceiver. One horizontal row of 7 and 2 vertical rows of 7.
Approximately size is 2.25 in by 1 in. Anybody have one in a junk box
looking for a new home? Thanks much and 73.....gary

=====

Gary H. Harmon, Jr., K5JWK gharmon@txdirect.net
6302 Robin Forest K5JWK@K3WGF.EL09TN.#SAT.TX.USA.NOAM
San Antonio, TX 78239 (210) 657-1549

When I touched the face of the meter, the pointer moved. Ah, I thought, I must be carrying a good static charge (even though the humidity is high today). So I touched the

chassis to
ground myself. Once again I moved my finger over the meter glass and the needle
follows my
finger. I short the meter terminals - same thing. I move my finger in front of
the glass
without touching it so I am not putting pressure on the case and moving anything
mechanically. It still moves. Distance makes a difference as the closer my
finger is to
the surface the more pronounced the movement.

I tried other things - a piece of aluminum rod, a candle, a wooden dowel. All
caused the
needle to move. Seems like anything with mass does it. Well, I muse, maybe I
just skipped
a chapter when I read the Old Radio Book of Knowledge so, I grab three or four
meters out of
the used meter box and try them. They don't move. Short of a meter ghost or
poltergeist I
can't figure out what's going on.

The set is not plugged in, It isn't connected to anything. Ferris and non ferris
materials
do it, dead organic materials do it, my body does it. Since I'm not touching the
meter it
looks like a capacitive effect or I'm disturbing a magnetic or electromagnetic
field, but
wood??? with no power??? with the meter terminals shorted???

Anyone have a any ideas? Anyone have an HT-32A they could try the experiment on?
There is
probably a very simple explanation that everyone but me knows and I'm really going
to feel
stupid, but at this point, I don't know what's going on.

--
73, Rich - W5VDU
rduell@iac.net
Somerville, OH

From boatanchors@theporch.com Sun Apr 28 14:56:00 1996
From: jlyle@netcom.com (Jim Lyle)
Subject: Re: Meter Mystery
Message-ID: <199604281522.IAA25129@netcom6.netcom.com>

> When I touched the face of the meter, the pointer moved. Ah, I thought, I must
be carrying
> a good static charge (even though the humidity is high today). So I touched the

chassis to
> ground myself. Once again I moved my finger over the meter glass and the needle follows my
> finger. I short the meter terminals - same thing. I move my finger in front of the glass
> without touching it so I am not putting pressure on the case and moving anything
> mechanically. It still moves. Distance makes a difference as the closer my finger is to
> the surface the more pronounced the movement.
>

Sounds like you've discovered gravity!

As far as your theory about disturbing (altering) a magnetic field goes... That sounds vaguely feasible, even with the terminals grounded. Is it possible something in the meter or nearby is magnetized? Would it make sense to try a bulk tape demagnetizer, to see if it makes a difference?

Of course, if this were the case I'd expect ferrous materials to have a different effect than non-ferrous materials, and wood and plastic shouldn't do much at all... strange...

--

Jim Lyle jlyle@netcom.COM

From boatanchors@theporch.com Sun Apr 28 22:17:03 1996
From: "Grant Youngman" <nq5t@gte.net>
Subject: Re: Meter Mystery
Message-ID: <199604281955.0AA16896@uro.theporch.com>

> When I touched the face of the meter, the pointer moved.

It sounds like you have a nice healthy static charge on the plastic meter cover.

Remove the cover and rub it inside and out with a fabric softener sheet (you, know .. the stuff you use in the dryer). Or if you can't get to the back side of the cover, just do the outside surface. Most of the time, that will cure the problem.

Grant/NQ5T

Grant Youngman -- NQ5T
nq5t@gte.net
<http://home1.gte.net/nq5t/index.htm> - Vintage Ham Radio

Beautiful downtown Double Oak, TX

From boatanchors@theporch.com Sun Apr 28 14:56:00 1996
From: Jeffrey Herman <jherman@hawaii.edu>
Subject: More from .swap - call them not me! // Jeff KH2PZ
Message-ID: <Pine.SV4.3.91.960427202712.20418A-100000@uhunix5>

From: todd.zelasko@cleham.org (TODD ZELASKO)
Wanted: Knight Star Roamer short wave receiver. This radio was produced in kit form in the 60's and sold by Allied Radio for \$39.95. Would prefer one of these in VG+ condition...if you can help me, please leave

From: Randy Padawer <padawer@usit.net>
I'm looking for a reasonably priced used Galaxy 88 (Galaxy DX88HML) in good physical and operating condition.

From: zafod@ix.netcom.com
Heathkit Mohawk, Apache, + SSB convertor, all in fairly good condition w/ all cables, & manuals. Units were fully operable as late as 1 year ago before being decommissioned and stored by local emergency relief agency.
Best offer. Pickup in San Diego only.

From: Billy Wiggins <103067.1705@CompuServe.COM>
I have for sale some 28v DC to 110v 60 cycle AC power inverters.
Rated at approx 400-500 watts. Removed from Military TTC-38 equipment buildings. Connectors included.
Price \$50 plus shipping.(weighs about 40 lbs)

From: rsmall101@aol.com (RSmall101)
Subject: FS: 811As RCA NOS Matched Quad.
New old stock purchased from RF Parts two months ago..Never opened..
\$110 shipped..

From: brasshat@aol.com (Brass Hat)
Subject: FS: Tube Tester \$100 + shipping
Tube Tester Built by SENCORE
Model Mighty Mite II
Tests:
5 P Nuvistors
7 P Miniatures
8 P Octals
8 P Loctals
9 P Miniatures
9 P Novars

9 P Magovals
10 P Miniatures
12 P Compactrons
CRT Adapter

With Book & Tube List

Grid Leak measured with a 100 Meg-ohm VTVM circuit Tests over 3000
tubes-Compact size-Portable-Works Perfect-
7 & 9 P tube straighteners- Gray Metal Case with /chrome
handel/ Gray & Black pannel.

I am seeking a "COLLECTOR QUALITY only" Heathkit Mohawk receiver with
matching speaker. Must be a "10" throughout, completely operational,
properly aligned & STOCK-NO MODS. If you have this unit and would like to
sell it, please call me collect at 207-767-5143 or EMail: RSmall01@aol.com

From: kenn2sqw@aol.com (Ken N2SQW)
Subject: Wanted: R390A manual

From: rsmall01@aol.com (RSmall01)
The AK-5 was the speaker designed to match the RX-1 Mohawk..I would like
to purchase one in "collector quality" condition..If you have such an
animal and want to sell it, please call me collect at 207-767-5143. Thank

From: choffman@pelican.davlin.net (Charles Hoffman)
Looking for Collins Station Control 312B-4 for the S Line.
I will be happy to trade generously for something larger and heavier or
will purchase.

I have for sale an AM transmitter two 813s 10-160 meaters home built in a 3
foot tabletop cabent. It is control carrer. Workes very well includes d104
mike. Plug and play. Requiers external RF exciter. For more info contect
jerry ellope@shasta

From: William Becks <wbecks@worldnet.att.net>
Wanted: Collins 180-S1 antenna tuner(s).

From: hale@fc.hp.com (Bill Hale)
Save these bottles from the landfill by paying for shipping:
Several 250TH, 250TH, one 100TL
Appear to be intact. Not new.
Can ship a transformer that would light 'em up!

Globe Electronics Scout Deluxe 80-6 meters transmitter. Unit looks in
new condition other than a blower mounted on back of unit. Crystal
control or external vfo. Status unknown, no crystals or external vfo. No
signs of burned components or smell, and all tubes and knobs, etc. are
there. Unit came from silent key. Face and cabinet in mint condition.
Asking \$50 or best offer plus shipping. phunter@ola.mv.com

From boatanchors@theporch.com Sun Apr 28 22:17:03 1996
From: "Jim Berry" <basalop@eskimo.com>
Subject: More QNC! Notes
Message-ID: <199604282314.QAA11681@mail.eskimo.com>

I think these little articles are interesting. The reader can always edit out any part he/she feels is not relevant . I also want to say THANKS for the nifty comments I have recieved. Couldn't you just see a rice box with knobs on the front for dialing in "character"? Dream on huh?

73 Jim, (basalop@eskimo.com)

QNC! Volume 6 Issue 3 Part 5

..For the Sheer Joy of It

by N7NET

Amateur. It's regrettable that this word has come to mean unseasoned, unskilled, even ignorant. Anyone who has overheard the chatter of an amateur radio maintenance crew repairing a mountain-top radio repeater quickly realizes that this team is very special, indeed. While some individuals donate time -- hours, even days of their leisure time, other provide material, equipment, and knowledge. Still others, especially those in the fringe areas, report signal strengths and offer technical know-how. The entire effort boils down to team work. And most amateurs will agree that the dedication orchestrated by amateur radio operators is of a quality that is difficult, if not impossible to hire in the professional, business sector.

Dedication is certainly not a new word to the ham radio world. *Fifty Years of A.R.R.L* (1) a reprint of articles featured in the 1964 issues of QST, is chucked full of accounts of hams working in unison toward a common goal.

For decades amateurs have provided on-the-spot communications in areas stricken by disaster. For example: the 19312 earthquake in New Zealand, the 1935 flood in New York state, the 1937 Ohio River Valley flood, the 1939 hurricane that ripped across New England, plus scores of other events of equal magnitude.

A host of outstanding achievements are detailed in Jan Perkins' book,

Don C. Wallace, W6AM (2).

One situation that caught my interest began in 1939. The Japanese had succeeded in driving the Republic of China's seat of government from Mukden to Chungking, some 1,800 miles up the Yangtse River. And by the close of 1940 China was cut off from the rest of the world. As a result, the Office of the Chinese Ministry of Information in Los Angeles (USA) had begun a desperate search for some means for receiving the daily voice communications from Chungking's radio station, XGBY, and providing the US wire services and broadcast networks with daily news from Nationalist China.

Voice communications of distances greater than 7,000 miles were not yet proven reliable by commercial standards. However, amateur radio operators frequently communicated at even distances and had gained a better understanding of radio wave propagation.

Doc Stuart, W6GRL, a seasoned Morse operator and skilled Dxer, accepted the challenge of bringing these Chinese broadcasts to North America.

Using two, double-wire rhombic antennas nearly 1,100 feet in length, suspended 80 feet above the ground, and separated laterally by 500 feet he began taking copy on the 49-meter and 31-meter bands and received as many as 10,000 words per day. Doc continued with this task

day-after-day, week-after-week while the rival commercial stations (professionals, they were called) were paralyzed, unable to receive any signal, for periods of up to eight days. Propagation had apparently rendered the signal too weak for them to copy.

In all, Doc took copy of some 1.5 million words from radio station XGOY. It was a job well done in the true spirit of amateur radio.

This spirit has not changed. Using personal resources and providing communications to his fellow man is a part of the amateur radio operators heritage. One can only marvel at the energy level generated during time so of need. And it isn't done for money. It's done for the sheer joy it brings.

footnotes:

(1) *Fifty Years of the A.R.R.L.*
QST
225 main Street
Newington, CT 06111, USA

(2) *Don C. Wallace - W6AM*

Wallace and Wallace
11823 E. Siasoon Ave.
Suite 38
Santa Fe Springs, CA 90670, USA
-end of file

[WORLI ListServe Version 2.1 - List: QNC SUB At: N7DXT]

Jim Berry K7SLI QTH: Marysville, Wa (Near Seattle)
Email: basalop@eskimo.com Phone: 360-659-3848 FAX: 360-659-1360
Ham Digital: K7SLI @ K7SLI.#NWWA.WA.USA.NA

From boatanchors@theporch.com Sun Apr 28 14:56:00 1996
From: Jim Dillon <beadgal@ptialaska.net>
Subject: New Cakebox? was A-K 40
Message-ID: <01BB34D3.4ABA7CA0@juneau_30.dialups.ptialaska.net>

Hi Francis and parlor anchor mechanics-
First of all, be careful...there's no bleeder resistor across the power =
DC on
this-discharge before entering innards. Then clean the volume control, =
which is actually the antenna input. If not the problem, bypass the Ant =
Coupling
Transformer (Attach short antenna to Black wire (grid) of first tube.)
If still no boogie, go to the power supply cable connection panel(12 =
wire
posts) and carefully check DC volts at white wire. Should be 200-220, =
not more. Between this point and the plates of the first 3 rf tubes is =
the
rf plate resistor. Unplug set, momentarily ground that white term (its =
one of thos
closest to the thick cable)to discharge DC and use ohmmeter between =
plate of
each of the first 3 tubes and the white point-should be 10-100K. If =
infinite-
bad news-the plate resistor is in the catacomb.
Also clean/resolder the center ps terminal (green wire) and the nearest =
to cable
end four especially, since these run the whole DC show and are often bad =
joints.
Can send you schemats if I get your s-mail address.

Jim Dillon beadgal@ptialaska.net

From boatanchors@theporch.com Sun Apr 28 22:17:03 1996

From: Allen Tucholski <allent@en.com>

Subject: Odd tubes forsale/trade

Message-ID: <199604282126.RAA21218@en.com>

I have the following new and used but tested good tubes forsale/ TRADE

USED RCA 4CX250B GAURANTEED GOOD (only one) \$15

RCA 2E26 new 5 ea. \$2..00 ea

2K25 KLYSTRON 2EA NEW \$10.00 EA

2K50 4EA NEW \$ 10.00 EA

6167 6 EA \$ 1.00 EA

6082A 3EA \$ 3.50 EA

50 NEW 6397 glass tube with solder leads \$1.00 ea COMPARE AES

AT \$6 EA

4 NEW 6247 glass tube with solder leads \$4.00 ea COMPARE

AES AT \$10.50 EA

(Raytheon)

USED 6AR6 TESTED OVER 85% 1EA \$2..00

EL84 1 EA \$1.00

6106/ 5Y3WGT 4EA \$5.00EA

(9) EA 0B2 \$2.00 EA

2D21 10EA \$1.00 EA

502A ABOUT 20EA \$5.00 EA

2C51 ABOUT 50EA \$1.00 EA

6AQ5 USED TESTED GOOD ABOUT 10 TUNGSOL \$1.00 EA

12A6 NEW 8 EA \$1.00 EA

2C26A 9EA \$1.00 EA

2C51 50 EA \$ 2.00EA

6AF4A / 6DZ4	NEW	OVER 100 ON HAND	\$1.00 EA
9001	7 EA	NEW	\$1.00 EA
575A POWER RECTIFIER	(NATIONAL) NEW	(AES CALL)	\$10.00
3B24WA	2EA	NEW	\$4.00 EA
4B32	NEW GE		\$8.00
1B46	NEW		\$1.00 EA
2C44	USED	15EA	\$2.00 EA
5744		1EA	\$2.00
5687		3EA	\$1.00 EA
6T4	60EA		\$0.50 EA
12AU7	1EA		\$2.00
6AK5	1EA		\$1.00
6U8A	1EA		\$1.50
6201	2EA		\$ 3.50 EA
3Q4	1 EA		\$ 2.00
3S4	1 EA		\$ 1.00
50C5	3EA		\$ 1.00 EA
35W4	2 EA		\$1.00 EA
1LE3	1 EA		\$2.00
1S5	1 EA		\$0.50
1U4	2 EA		\$ 1.50
1R5	1 EA		\$ 1.00
1N40	8 PIN OCTAL	LIKE A 6H6 BUT HAS 4 DIODES INSIDE	ABOUT 50 ON HAND
			\$0.25 EA
117L7	1 EA		\$ 1.00

6D4/EN93	3EA		\$ 2.00
1645A	PHOTO TUBE	20EA	\$ 1.00 EA
6BQ6	1EA	1 EA	\$1.00
6A7 NEW		1 EA	\$4.00

All tube prices plus shipping (usually about \$2 per order).

Allen

 NASA Lewis Research Center
 Cleveland, Ohio

e-mail
 allent@en.com

From boatanchors@theporch.com Sun Apr 28 14:56:00 1996
 From: jproc@worldlinx.com
 Subject: Ooops - I goofed - Whip Antennas
 Message-ID: <Chameleon.4.01.2.960427111412.jproc@jproc>

I accidentally sent a message about Whip antennas to the group. Please ignore this message as it was intended for another party. (Clicked on the wrong line in my address book before the coffee had time to circulate).

Regards,

~~~~~  
 Jerry Proc VE3FAB  
 E-mail: jproc@worldlinx.com  
 Radio Restoration Volunteer  
 HMCS Haida, Toronto Ontario

~~~~~  
From boatanchors@theporch.com Sun Apr 28 22:17:03 1996
From: Michael Crestohl <mc@shore.net>
Subject: REVIEW: CD-ROM version of THE RADIOTRON DESIGNER'S HANDBOOK 4th Ed.
Message-ID: <199604290041.UAA17852@northshore.shore.net>

REVIEW: CD-ROM - RADIOTRON DESIGNER'S HANDBOOK F Langford Smith

The release of the 4th (and last) Edition of the Radiotron Designer's Handbook on CD-ROM should certainly prove to all that vacuum technology is not necessarily a thing of the past. Many audio enthusiasts and radio amateurs whose keen interest in this older technology is certainly added testimony to this fact.

For those who are not familiar with the Radiotron Designer's Handbook, it is THE standard reference work on using vacuum tubes in radio receivers and audio amplifier applications. Original copies are highly prized by enthusiasts and collectors, particularly the 4th edition which came out towards the end of the "hollow state" era in the 1950s. F Langford Smith was an Australian engineer and his books were distributed in the USA by RCA who were a major player in vacuum tube production and marketing. The scope of the RADIOTRON DESIGNER'S HANDBOOK is focused on the design of the above and other areas such as television, test equipment, radio transmission, radar and industrial electronics have been excluded in the interest of brevity.

Here we are in the computer age of microprocessors and the information superhighway and along comes a searchable cd of the ultimate representative of "obsolete" electronic technology - isn't it wonderful! The CD-ROM is accessed through Adobe Acrobat (included) and allows the reader to go from area to area with the click of a button! You'll need a 386 and MS Windows 3.1 to use this.

There are 50 pages of indexing covering over 7,000 items. Everything is hyperlinked and navigation through the material is effortless. Since I am working on a problem with hum in an older piece of equipment (a common problem) I found this a suitable subject for research using the CD-ROM. I was not disappointed with the results of my search and I found myself scrolling through several pages on the subject of hum, linking through the index to areas on power supplies, rectification and filtering. Whoever did the hyperlinking did a superb job! Langford Smith would love it as did I.

I guess the main reason the CD-ROM was created is because the original bound version of the book is so scarce. But the great thinn about the

CD version is that it is very easy to search for things of interest. Pages may be easily printed on a 24-pin, inkjet or laser printer.

This is a serious work for people who are serious about vacuum tube technology! Its just packed with information, diagrams, charts and tables. If you are truly interested in audio and radio circuits here is the ultimate reference source and guide. I expect to refer to it frequently.

%T RADIOTRON'S DESIGNER HANDBOOK
%A F Langford Smith
%I Audio Amateur Publications Inc.
%C Peterborough NH 03458-0576 Tel: 603-924-6371
%D 1996
%O CD-ROM \$69.95

(C) 1996
Michael Crestohl
Nahant Massachusetts USA
mc@shore.net

DISCLAIMER: I have no interest, financial or otherwise, in the success or failure of the book or materials reviewed herewith, nor have I received any compensation (other than a review copy requested by me) from anyone who has. All opinions expressed are strictly my own.

Other Internet and Aviation book/software reviews by me can be obtained by anonymous FTP from: x2ftp.oulu.fi in the /pub/books/crestohl directory.

From boatanchors@theporch.com Sun Apr 28 22:17:03 1996
From: "F r6fqHo!ht" <75121.100@CompuServe.COM>
Subject: Surplus manuals
Message-ID: <960428220904_75121.100_FHI47-1@CompuServe.COM>

Since others have advertised VOL I and VOL II, I thought it a convenient time to post this message. These will fill in what was advertised previously.

I have a copy of the SURPLUS RADIO CONVERSION MANUAL, VOL III by "the great" William I. Orr dated 1960

I also have a copy of "THE SURPLUS HANDBOOK VOL I, Receivers and Transmitters by Charles Caringella, W6NJV and Richard Clark, W6NJE and the editors of "Western Radio Amateur"

I guess Western Radio Amateur was a publication at the time (1959)

The VOL III is 78 pages long and I will copy it on 11 X 17" Velum paper (thick) like the original. It contains the following equipment. I can bind it (using Velo plastic pressure strips) and copy it for \$15.00 shipped (US only)

others add shipping. All orders pay in advance this time, personal checks OK.

701-A

AN / APN-1

AN / CRC-7

AN / URC-4

ARA

BC-442, 453-455, 456-459, 603, 696, 950, 1066, 1253

CBY-29125, 50083, 50141, 52208-11, 52232, 52302-09

FT-241A (for crystal filter)

MBF (COL-43065)

MD-7 / ARC-5

R-9 / APN-4

R23 - R28 / ARC-5

RAT

RAV

RM - 52 (53)

RT-19 / ARC-4

SCR - 274N

SCR - 522

T-15 / ARC-5 to T-23 / ARC-5

The conversion manual contains pictures, schematics and a HOW TO narrative.

NEXT I have THE SURPLUS HANDBOOK, same prices and stipulations as above and contains the following:

APN-1

APS-13

ARB

ARC-4

ARC-5 (LF)

ARC-5 (VHF)

ARN-5

ARR-2

ASB-7

BC-222, 312, 314, 342, 344, 348, 603, 611, 624 (SCR-522), 652, 654, 659, 669, 683, 728, 745, 764, 779, 794, 923, 1000, 1004, 1066, 1206, 1306, and 1335.

BC-AR-231

CRC-7

DAK-3

GF-11

MARK II

MN-26

RAK-5

RAL-5

RAX

Super Pro
TBY
TCS

The Surplus Handbook contains pictures of each set and its schematic only, no HOW TO sections. It also contains the usual BA resistor color code for RMA style as well as JAN style codes for both types of fixed composition resistors and it also contains all you ever wanted to know about capacitor color codes for BA equipment. RMA 3-4-5 & 6 DOT color codes for Mica and tubular ceramic caps and the JAN 6-DOT for paper-dielectric, mica dielectric and Ceramic dielectric caps. There is a cross reference chart for the older VT to standard US tube numbers chart and some of the Mil numbers crossed to more common numbers like the 5932 is a 6L6GT and so forth.

Raymond Cote
1405 Dominis St #105
Honolulu, HI 96822

From boatanchors@theporch.com Sun Apr 28 14:56:00 1996
From: "Dick Gray" <rjgray@rmii.com>
Subject: Tubes Wanted
Message-ID: <m0uDbSQ-000Jf0C@rmii.com>

I am looking for the following tubes either new or used.
1B22, 1B31, 1B34, 1B41, 1B42

I am doing some experimenting that uses spark gaps and I want to try the old RADAR modulator spark gap tubes.

TIA
--Dick--
rjgray@rmii.com

From boatanchors@theporch.com Sun Apr 28 22:17:03 1996
From: Sheldon Wheaton <swheaton@sky.net>
Subject: Re: Tubes Wanted
Message-ID: <Pine.SOL.3.91.960428143418.2576A-100000@sky.net>

Hi Dick, for my curiosity and the rest of the gang, what can you do with these things? Thinking there might be some use for them has kept me from throwing them away for years. I have a "bunch" of Western Electric made 1B23 tubes that I think might be usable for your purposes. My price: \$1 each, with first right of refusal going to Dick. If anyone else is interested, send an email to me at swheaton@sky.net

73, Sheldon KC0CW

On Sun, 28 Apr 1996, Dick Gray wrote:

> I am looking for the following tubes either new or used.
> 1B22, 1B31, 1B34, 1B41, 1B42
> I am doing some experimenting that uses spark gaps and I want to try
> the old RADAR modulator spark gap tubes.
> --Dick--
> rjgray@rmii.com

From boatanchors@theporch.com Sun Apr 28 22:17:03 1996

From: "Dick Gray" <rjgray@rmii.com>

Subject: Re: Tubes Wanted

Message-ID: <m0uDINl-000JdXC@rmii.com>

On Sun, 28 Apr 1996 14:40:10 -0500 (CDT), Sheldon Wheaton wrote:

>Hi Dick, for my curiosity and the rest of the gang, what can you do with
>these things? Thinking there might be some use for them has kept me from
>throwing them away for years. I have a "bunch" of Western Electric made
>1B23 tubes that I think might be usable for your purposes. My price: \$1
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>interested, send an email to me at swheaton@sky.net
>73, Sheldon KC0CW

>

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>> I am doing some experimenting that uses spark gaps and I want to try
>> the old RADAR modulator spark gap tubes.
>> --Dick--
>> rjgray@rmii.com

Sheldon, these tubes can be used for almost any application that requires a rapid discharge of a pulse-forming network or capacitor in the voltage range from approx 2kV-12kV. My particular experiments involve Tesla coils at this time. The 1B23 is a T-R gas switch tube used in, I believe, 10cm RADAR equipment.

--Dick--

rjgray@rmii.com

From boatanchors@theporch.com Sun Apr 28 22:17:03 1996

From: jolson@intergate.net (James Olson)

Subject: Wanted: Millen 90801 Exciter

Message-ID: <199604290237.WAA29378@keystone.intergate.net>

Wanted: James Millen 90801 Exciter.

Any leads would be appreciated.

Thanks,

James Olson, N6IF0/4
Powder Springs, GA

From boatanchors@theporch.com Sun Apr 28 14:56:00 1996
From: "Ray L. Mote" <rmote@rain.org>
Subject: Wazza CV-1693/GRC-129
Message-ID: <Pine.SUN.3.91.960428002513.13899B-1000000@coyote.rain.org>

Anyone out there who can tell me what the CV-1693/GRC-129 is and how it was used? *Weird* beast with bandswitch (1 Mc bands 0-31 Mc), only one input (labeled "100 Kc") and a bunch of outputs from 100 Kc well up into HF. Supposedly a "Converter, Frequency, Electronic". Made by Manson Labs (oooh -- the synthesizer makers for spook R-390A's!). Sounds intriguing as heck if I can get info on it. Wonder if it was used with the R-725 (I think that's the right nomenclature). Serial number just happens to match my R-389, though.

73.....Ray Mote, W6RIC <rmote@rain.org> Oxnard, CA

From boatanchors@theporch.com Sun Apr 28 14:56:00 1996
From: jproc@worldlinx.com
Subject: Whip Antenna Arrival
Message-ID: <Chameleon.4.01.2.960427110904.jproc@>

Bob,

The whip antennas and accessories removed from HMCS Mackenzie are now being shipped and I require some resources in order for the material to complete the last part of its voyage. Perhaps Ontario Place can provide assistance. Here are the details.

The original deal to have Tom Brent's company ship the antennas did not materialize. On his own initiative, Tom located another company to donate the cost of cartage, however, Milton Ontario is the end of the line.

The antennas are expected to arrive by Wed May 1 and we must of course, pick up the material within a reasonable time. The company and contact is:

Ken Hayward
Kleysen Transport
Milton Ont.
567-8980 (local Toronto number)
Hours: 0730- 16:00 hours Mon- Fri

One pallet box (600 lbs containing the insulators and a UPD501 power supply) along with 4 antennas have been shipped. The antennas have been sawed in half so there should be a total of eight, 14 foot sections. Tom recommends that a full size pickup should be used as the minimum vehicle size and suitable equipped to transport the antenna sections safely. At Kleyson, they will use a fork lift to place the pallet on the vehicle. The pallet is disposable.

When we actually get the goods into our hands, can you send a note of thanks along with a charitable donations receipt to :

Shane Thompson
Kleysen Transport
9695 192 St.,
Surrey BC.
V4N 4C7

At minimum, the receipt should reflect the cost of transporting 800 pounds of goods from Vancouver to Toronto.

Regards,

~~~~~  
Jerry Proc  
E-mail: jproc@worldlinux.com  
~~~~~

From boatanchors@theporch.com Sun Apr 28 22:17:03 1996
From: Jim Dillon <beadgal@ptialaska.net>
Subject: WT\$: BC-946B/R-24, BC-221/LM
Message-ID: <01BB34FB.E957C660@juneau_75.dialups.ptialaska.net>

Hi All-

As I was attempting to clean out my basement of the remains of a Collins commercial 203U (anyone need any truly obscure 60s hollow-state exciter/4CX3000 PA /RTTY stuff? *Heavy* and 3-phase), it occurred to me that others may be facing the same whip-wielding pairbond partner scene

this weekend. If the contentious black boxes interfering with your domestic tranquility are those in the heading, please let me know. Thanks to Ray Mote and Michael Neidich for info on -946 leading me to want the Broadcast band set. I guess I want the freq meter because I've never not had one for so long and I miss moving it out of the way since giving the last two away some time ago. Also looking for a Simpson 260 VOM (again). What good is a clean shack if you can't trash it up again?
Jim Dillon WL7CMQ beadgal@ptialaska.net

From boatanchors@theporch.com Sun Apr 28 22:17:03 1996
From: berg stephen erik <z931086@corn.cso.niu.edu>
Subject: WTB 6 Meter VFO
Message-ID: <Pine.3.89.9604281447.A22288-0100000@corn.cso.niu.edu>

In anticipation of finally getting back on 6 and 2 meters, I need to find a decent vfo for my Clegg 66er. I understand the Ameco vfo for the TX-62 is a good item. I would like to find one of those, or a National vfo-62, or some other stable unit for am use. Can anyone here on the list help me out on this? Please reply via private e-mail.

73,

Steve WA9JML

z931086@corn.cso.niu.edu